Eikon 20453-20457 Arké 19453-19457 Idea 16923-16927

Plana 14453-14457

Transponder card readers

WELL-CONTACT PLUS



Index



TRANSPONDER CARD READERS from page 5

COMMUNICATION OBJECTS from page 5

FAQ from page 20



For all the details about the Well-contact Plus system, refer to the installer manual that can be downloaded from the Download ➡ Software ➡ Well-contact Plus section on the website www.vimar.com.



Transponder card readers

Transponder card readers

20457, 19457, 16927, 14457

Transponder card reader for installation outside rooms, KNX standard, 2 relay outputs NO 4 A 24 V~, 2 inputs, power supply 12-24 V~ 50-60 Hz and 12-24 V d.c. (SELV) - 3 modules. Supplied without transponder card.

20453, 19453, 16923, 14453

Transponder card reader with vertical pocket for installation inside rooms, KNX standard, 2 relay outputs NO 4 A 24 V~, 2 inputs, supplementary power supply 12-24 V~ 50-60 Hz and 12-24 V d.c. (SELV) - 3 modules.



Functionality

The device controls room access and various additional functions. It also has 2 outputs and 2 inputs. The following functions are the same for both channels.

3 functions are available for the outputs:

- Not Active
 - Channel without any function.

Switch

The output is switched according to the other parameters.

Staircase

According to the other parameters, the output is switched for a certain period of time.

- 3 functions are also available for the inputs:
- Not Active
- Channel without any function. • Grouped channels
 - Dimmer or shutter function.
- Single channels
- Switch, counter, scene, short/long switch function. Single key dimming, Single key shutter.

Behaviour after bus on/off

Bus off: depends on the parameter settings. Bus on: depends on the parameter settings.

Behaviour after reset

As for bus on.

Behaviour after power supply on/off

Off: the relays return to Off. On: as for bus on.

Communication objects

List of existing communication objects (output)



Communication objects

General communication objects

III.10 Transito Z/2/1 Byte C R P T P Basso III.1 transito And/use Transito + Borsellino elettron Byte C R R T I Basso III.2 CO_AccessoTipo1 Accesso asynta 5/1/1 Ibit C R R T I Basso III.3 CO_AccessoTipo1 Accesso asynta 5/1/1 Ibit C R R T I Basso III.3 CO_AccessoTipo1 Accesso assistance 5/1/1 Ibit C R I T Basso III.3 CO_AccessoTipo5 Accesso assistance 5/1/1 Ibit C R I T Basso III.3 CO_AccessoTipo5 Accesso assistance 5/1/1 Ibit C R T T Basso III.3 CO_AccessoTipo5 Accesso assistance 5/1/1 Ibit C R T T Basso III.3 CO_AccessoTipo5 Accesso assistance J/1/1 Ibit	Numero	Nome	Funzione oggetto	Descrizione	Indirizzi di gruppo	Lung	С	R	W	Т	U	Tipo dati	Priorità
III.1 transit.Ad Horsellino elettron 8 byte C R - T - Basso III.2 CO_AccessoTipo1 Accesso ospite 5/11 1 bit C R - T - Basso III.3 CO_AccessoTipo2 Accesso manutenzione 5/2/1 1 bit C R - T - Basso III.3 CO_AccessoTipo2 Accesso installatore 5/5/1 1 bit C R - T - Basso III.3 CO_AccessoTipo5 Accesso assistenza 5/5/1 1 bit C R - T - Basso III.3 CO_AccessoTipo5 Accesso assistenza 5/6/1 1 bit C R - T - Basso III.3 CO_AccessoTipo1 Accesso assistenza 7/3/1 1 bit C R - T - Basso III.1 CO_AccessoTipo1 Accesso assistenza 7/3/1 1 bit C R - T - Basso III.1 CO_Accesso	⊡ ‡]o	Transito	Transito		2/2/1	4 Byte	С	R	-	Т	-		Basso
IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	□ ‡1	transitAndPurse	Transito + Borsellino elettron			8 Byte	С	R	-	Т	-		Basso
IIII.13 CO_AccessoTipo2 Accesso menutencione 5/2/1 1 bit C R - T - Basso III.14 CO_AccessoTipo3 Accesso menutencione 5/3/1 1 bit C R - T - Basso III.15 CO_AccessoTipo5 Accesso sinstallatore 5/5/1 1 bit C R - T - Basso III.15 CO_AccessoTipo5 Accesso assistenza 5/6/1 1 bit C R - T - Basso III.15 CO_AccessoTipo6 Accesso animistratore 5/6/1 1 bit C R - T - Basso III.13 CO_AccessoTipo6 Accesso avaido 4/0/1 1 bit C R - T - Basso III.13 CO_AccessoTipo6 Accesso avaido 4/0/1 1 bit C R - T - Basso III.14 CO_alarme1 Allarme1 IIII.15 Co_allarme2 IIII.15 Co_allarme2 IIII.15 Co_allarme2 IIII.15	□ ‡ 2	CO_AccessoTipo1	Accesso ospite		5/1/1	1 bit	С	R	-	Т	-		Basso
III.4 CO_AccessoTipo3 Accesso installatore 5/3/1 1 bit CC R - T - Basso III.5 CO_AccessoTipo4 Accesso installatore 5/4/1 1 bit C R - T - Basso III.6 CO_AccessoTipo5 Accesso animistratore 5/6/1 1 bit C R - T - Basso III.7 CO_AccessoTipo5 Accesso animistratore 5/6/1 1 bit C R - T - Basso III.1 CO_AccessoTipo5 Accesso animistratore 5/6/1 1 bit C R - T - Basso III.1 CO_AccessoTipo5 Accesso animistratore 5/6/1 1 bit C R R T - Basso III.1 CO_AccessoTipo5 Accesso animistratore 7/3/1 1 bit C R R T - Basso III.1 CO_alaren Alaren 2 Al	⊒ ‡]3	CO_AccessoTipo2	Accesso servizio		5/2/1	1 bit	С	R	-	Т	-		Basso
III.75 CO_AccessoTipo4 Accesso istulatore 5/4/1 1 bit C R - T - Basso III.66 CO_AccessoTipo5 Accesso asistenza 5/5/1 1 bit C R - T - Basso III.66 CO_AccessoTipo5 Accesso asistenza 5/5/1 1 bit C R - T - Basso III.67 CO_AccessoTipo5 Accesso asistenza 5/7/1 1 bit C R - T - Basso III.17 CO_AccessoValido Cosso valido 4/11 1 bit C R - T - Basso III.13 CO_AccessoValido Accesso valido 4/1/1 1 bit C R R T - Basso III.15 CO_alarme1 Allarme1 1 bit C R R T U Basso III.16 CO_ora Ora Ora Ora Ora Ora	⊒‡ 4	CO_AccessoTipo3	Accesso manutenzione		5/3/1	1 bit	С	R	-	Т	-		Basso
III.7.6CO_AccessoTipO5Accesso auscienza5/6/11 bitCR·T-BassoIII.7CO_AccessoTipO7Accesso auscienza5/6/11 bitCR·T-BassoIII.7CO_AccessoTipO7Accesso auscienza5/7/11 bitCR·T-BassoIII.7CO_AccessoTipO7Accesso auscienza5/7/11 bitCR·T-BassoIII.7CO_AccessoValidoAccesso auscienza7/3/11 bitCR·T-BassoIII.1CO_LuceDiCortesiaLuce di cortesia7/3/11 bitCR·T-BassoIII.1CO_allarme1Allarme 1I allarme 21 bitCR·VT-BassoIII.1CO_allarme2Allarme 2OrologioOrologio8 byteC·WTUBassoIII.1CO_oraOraOraO/0/23 byteC·WTUBassoIII.1CO_oraOraOraOra0/0/14 byteC·WTUBassoIII.1CO_olataOraOraOraOra0/0/13 byteC·WTUBassoIII.1CO_olataOraOraOraOraOraVTUBassoIII.2CO_olataOraOra	⊒‡ 5	CO_AccessoTipo4	Accesso installatore		5/4/1	1 bit	С	R	-	Т	-		Basso
III.TCO_AccessoTipo6Accesso assistenzaS/6/11 bitCR-BassoIII.BCO_AccessoTipo7Accesso annihistratoreS/7/11 bitCR-T-BassoIII.BCO_AccessoTipo7Accesso annihistratoreS/7/11 bitCR-T-BassoIII.BCO_AccessoValidoAccesso valido4/0/11 bitCR-T-BassoIII.BCO_AccessoValidoAccesso valido4/0/11 bitCR-T-BassoIII.BCO_AccessoValidoAccesso valido7/3/11 bitCRT-BassoIII.BCO_alarme1Alarme 11 bitCR-T-BassoIII.BCO_alarme3Alarme 21 bitCRVT-BassoIII.BCO_oraOraOraOra0/0/23 ByteC-WTUBassoIII.BCO_otataData0/0/13 ByteC-WT-BassoIII.BCO_otataData0/0/13 ByteC-WT-BassoIII.BCO_otataData0/0/34 PyteC-WT-BassoIII.BCO_otataAccessoTip03Diabilita accesso aspite4/1/11 bitC-WT-BassoIII.B <td> ⊒‡ 6</td> <td>CO_AccessoTipo5</td> <td>Accesso sicurezza</td> <td></td> <td>5/5/1</td> <td>1 bit</td> <td>С</td> <td>R</td> <td>-</td> <td>Т</td> <td>-</td> <td></td> <td>Basso</td>	⊒‡ 6	CO_AccessoTipo5	Accesso sicurezza		5/5/1	1 bit	С	R	-	Т	-		Basso
IIII.78 CO_AccessoTip07 Accesso amministratore 5/7/1 1 bit C R - Basso III.79 CO_ControlloScenario Controlloscenario 1bit C R - Basso III.712 CO_AccessoValido Accesso valido 4/0/1 1bit C R - T - Basso III.712 CO_AccessoValido Accesso valido 4/0/1 1bit C R - T - Basso III.715 CO_allarme1 Allarme 1 1bit C - W T - Basso III.715 CO_allarme3 Allarme 2 1bit C - W T U Basso III.716 CO_orologio Orologio 00/0/1 3Byte C - W T U Basso III.719 CO_otafa Data 0/0/1 3Byte C - W T - Basso III.719 CO_otafa Data 0/0/1 3Byte C - W T	⊒‡ 7	CO_AccessoTipo6	Accesso assistenza		5/6/1	1 bit	С	R	-	Т	-		Basso
III.79CO_controlloScenarioControllo scenario1 ByteCRoToBassoIII.12CO_AccessoValidoAccesso valido4/0/11 bitCRoToBassoIII.13CO_Luce/DCortesiaLuce d cortesia7/3/11 bitCRvToBassoIII.14CO_allarme1Allarme 11 bitCVVToBassoIII.15CO_allarme2Allarme 2Allarme 21 bitCvVToBassoIII.16CO_allarme3Allarme 3Allarme 3ByteCvVTUBassoIII.16CO_corafogioOralogioOralogio0/0/23 byteCvVTUBassoIII.18CO_corafermaServerConferma d lesrver2/0/14 byteCvVTUBassoIII.22CO_LobabilitAAccessoTipo1DataData0/0/34 byteCvVUBassoIII.23CO_LobabilitAAccessoTipo2Data litacesso sopite3/1/110 bit.CvVUBassoIII.23CO_DisabilitAAccessoTipo2Diabilita accesso servizio4/2/11 bit.CvVVVBassoIII.24CO_DisabilitAAccessoTipo2Disabilita accesso servizio4/2/11 bit.CvVVVBassoIII.24CO_DisabilitAAcc	⊒‡ 8	CO_AccessoTipo7	Accesso amministratore		5/7/1	1 bit	С	R	-	Т	-		Basso
III.12CO_AccessoValidoAccesso valido $4/0/1$ 1 bitCR-T-BassoIII.13CO_LuceD/CortesiaLuce di cortesia7/3/11 bitCR-T-BassoIII.14CO_allarme1Allarme 11 bitCR-T-BassoIII.15CO_allarme2Allarme 21 bitC-WT-BassoIII.16CO_allarme3Allarme 31 bitC-WTUBassoIII.16CO_oralogioOrologioBtyteC-WTUBassoIII.18CO_oraOrologioOrologioBtyteC-WTUBassoIII.19CO_dataData0/0/13 byteC-WTUBassoIII.22CO_OrofermaServerConferma del server2/0/14 byteC-WT-BassoIII.22CO_DisbilitAAccessoTipo1Disabilita accesso ospite4/1/11 bitC-WT-BassoIII.23CO_DisbilitAAccessoTipo2Disabilita accesso assistenza4/6/11 bitC-WT-BassoIII.24CO_DisbilitAAccessoTipo7Disabilita accesso assistenza4/6/11 bitC-WT-BassoIII.25CO_DisbilitAAccessoTipo7Disabilita accesso assistenza4/6/11 bit <t< td=""><td> ⊒‡]9</td><td>CO_ControlloScenario</td><td>Controllo scenario</td><td></td><td></td><td>1 Byte</td><td>С</td><td>R</td><td>-</td><td>Т</td><td>-</td><td></td><td>Basso</td></t<>	⊒‡]9	CO_ControlloScenario	Controllo scenario			1 Byte	С	R	-	Т	-		Basso
III. 13CO_LuceDiCortesiaLuce di cortesia7/3/11 bitCR-T-BassoIII. 14CO_allarme1Allarme 11 bitC-WT-BassoIII. 15CO_allarme2Allarme 21 bitC-WT-BassoIII. 15CO_allarme3Allarme 31 bitC-WT-BassoIII. 16CO_orologioOrologioOrologio8 byteC-WTUBassoIII. 19CO_ordataData0/0/23 byteC-WTUBassoIII. 19CO_offermaServerConfermaGerver2/0/14 byteC-WTUBassoIII. 22CO_DotabilitAccessoDati di accesso ospite4/1/110 BC-WT-BassoIII. 22CO_DisabilitAccessoTipoDisabilita accesso servizio4/2/11 bitC-WT-BassoIII. 24CO_DisabilitAAccessoTipoDisabilita accesso servizio4/3/11 bitC-WT-BassoIII. 24CO_DisabilitAAccessoTipoDisabilita accesso animistratore4/3/11 bitC-WT-BassoIII. 24CO_DisabilitAAccessoTipoDisabilita accesso animistratore4/5/11 bitC-WT-BassoIII. 25CO_DisabilitAAcces	12	CO_AccessoValido	Accesso valido		4/0/1	1 bit	С	R	-	Т	-		Basso
III.14CO_allarme1Allarme 11 bitC-WT-BassoIII.15CO_allarme2Allarme 21 bitC-WT-BassoIII.16CO_allarme3Allarme 3Allarme 31 bitC-WTUBassoIII.16CO_orologioOrologio8byteC-WTUBassoIII.18CO_oraOra0/0/23 byteC-WTUBassoIII.19CO_dataData0/0/13 byteC-WTUBassoIII.20CO_conferma5erverConferma del server2/0/14 byteC-WTUBassoIII.21CO_DisabilitAccessoTipo1Disabilita accesso ospite4/1/11 bitC-WT-BassoIII.22CO_DisabilitAccessoTipo1Disabilita accesso ospite4/1/11 bitC-WT-BassoIII.23CO_DisabilitAccessoTipo1Disabilita accesso servizio4/2/11 bitC-WT-BassoIII.24CO_DisabilitAccessoTipo5Disabilita accesso sicurezza4/5/11 bitC-WT-BassoIII.25CO_DisabilitAccessoTipo5Disabilita accesso sicurezza4/5/11 bitC-WT-BassoIII.25CO_DisabilitAccessoTipo5Disabilita accesso as	□2,13	CO_LuceDiCortesia	Luce di cortesia		7/3/1	1 bit	С	R	-	Т	-		Basso
III.15CO_allarme2Allarme 21 bitC-WT-BassoII.16CO_allarme3Allarme 31 bitC-WT-BassoII.17CO_orologioOrologioOrologio8 byteC-WTUBassoII.18CO_oraOra0/0/13 byteC-WTUBassoII.19CO_dataData0/0/13 byteC-WTUBassoII.20CO_confermaServerConferma del server2/0/14 byteC-WTUBassoII.21CO_DisbilitAccessoDati di accesso ospite4/1/110 BC-WT-BassoII.22CO_DisbilitAccessoTipo1Disbilita accesso ospite4/1/11 bitC-WT-BassoII.23CO_DisbilitAccessoTipo2Disabilita accesso servizio4/2/11 bitC-WT-BassoII.24CO_DisbilitAccessoTipo5Disabilita accesso sicurezza4/3/11 bitC-WT-BassoII.25CO_DisbilitAccessoTipo5Disabilita accesso assicurezza4/s/11 bitC-WT-BassoII.26CO_DisbilitAccessoTipo5Disabilita accesso assicurezza4/s/11 bitC-WT-BassoII.26CO_LoddLED 1 On	□2 14	CO_allarme1	Allarme 1			1 bit	С	-	W	Т	-		Basso
III 16CO_allarme3Allarme 3I bitCIVTIBassoII 17CO_orologioOrologio8 ByteCIWTUBassoII 18CO_oraOra0/0/23 ByteCIVTUBassoII 19CO_dataData0/0/13 ByteCIVTUBassoII 20CO_confermaServerConferma del server2/0/14 ByteCIVTUBassoII 21CO_DisbilitAccessoDati di accesso3/1/110 BCIVTIBassoII 22CO_DisbilitAccessoTipo1Disbilita accesso servitio4/1/11 bitCIVTIBassoII 24CO_DisbilitAccessoTipo2Disbilita accesso servitio4/2/11 bitCIVTIBassoII 25CO_DisbilitAAccessoTipo2Disbilita accesso sicurezza4/5/11 bitCIVTIBassoII 26CO_DisbilitAAccessoTipo5Disbilita accesso sicurezza4/5/11 bitCIVTIBassoII 27CO_DisbilitAAccessoTipo5Disbilita accesso assistenza4/5/11 bitCIVTIBassoII 28CO_LogiabilitAAccessoTipo5Disbilita accesso assistenza4/5/11 bitCIVTIBassoII 29CO_Logi	□2 15	CO_allarme2	Allarme 2			1 bit	С	-	W	Т	-		Basso
III 17CO_orologioOrologioOrologioBassoBassoIUBassoII 18CO_oraOraOra0/0/23 ByteC-WTUBassoII 19CO_dataData0/0/13 ByteC-WTUBassoII 20CO_orofermaServerConferma del server2/0/14 ByteC-WTUBassoII 21CO_DisplintoNumero inplanto0/0/34 ByteC-WTUBassoII 22CO_DisabilitAccessoDati di accesso ospite4/1/11 bit.C-WT-BassoII 24CO_DisabilitAccessoTipo2Disabilita accesso oservizio4/2/11 bit.C-WT-BassoII 25CO_DisabilitAAccessoTipo3Disabilita accesso servizio4/3/11 bit.C-WT-BassoII 26CO_DisabilitAAccessoTipo4Disabilita accesso servizio4/3/11 bit.C-WT-BassoII 27CO_DisabilitAAccessoTipo5Disabilita accesso assistenza4/6/11 bit.C-WT-BassoII 28CO_DisabilitAAccessoTipo5Disabilita accesso assistenza4/6/11 bit.C-WT-BassoII 29CO_DisabilitAAccessoTipo5Disabilita accesso assistenza4/6/11 bit.C-WT <td>□2,16</td> <td>CO_allarme3</td> <td>Allarme 3</td> <td></td> <td></td> <td>1 bit</td> <td>С</td> <td>-</td> <td>W</td> <td>Т</td> <td>-</td> <td></td> <td>Basso</td>	□2,16	CO_allarme3	Allarme 3			1 bit	С	-	W	Т	-		Basso
III 18CO_oraOraO/0/23 ByteC-WTUBassoII 19CO_dataDataO/0/13 ByteC-WTUBassoII 20CO_orfermaServerConferma del server2/0/14 ByteC-WTUBassoII 21CO_DipipiantoNumero impianto0/0/34 ByteC-WTUBassoII 22CO_DatiAccessoDati di accesso ospite3/1/11 bitC-WT-BassoII 23CO_DisabilitAccessoTipo1Disabilita accesso ospite4/1/11 bitC-WT-BassoII 24CO_DisabilitAccessoTipo2Disabilita accesso ospite4/1/11 bitC-WT-BassoII 25CO_DisabilitAccessoTipo3Disab. accesso manutenzione4/3/11 bitC-WT-BassoII 26CO_DisabilitAccessoTipo5Disabilita accesso sicurezza4/5/11 bitC-WT-BassoII 27CO_DisabilitAccessoTipo5Disabilita accesso assistenza4/5/11 bitC-WT-BassoII 28CO_DisabilitAccessoTipo5Disabilita accesso assistenza4/5/11 bitC-WT-BassoII 29CO_DisabilitAccessoTipo5Disabilita accesso assistenza4/5/11 bitC-W </td <td>□2,17</td> <td>CO_orologio</td> <td>Orologio</td> <td></td> <td></td> <td>8 Byte</td> <td>С</td> <td>-</td> <td>W</td> <td>Т</td> <td>U</td> <td></td> <td>Basso</td>	□2,17	CO_orologio	Orologio			8 Byte	С	-	W	Т	U		Basso
Image: 19CO_dataData0/0/13 ByteC-WTUBassoImage: 20CO_confermaServerConferma del server2/0/14 ByteC-WTUBassoImage: 21CO_DimpiantoNumero impianto0/0/34 ByteC-WT-BassoImage: 22CO_Disabilit AccessoDati di accesso3/1/110 BC-WTUBassoImage: 23CO_Disabilit AccessoDisabilit accesso ospite4/1/11 bitC-WT-BassoImage: 24CO_Disabilit AccessoDisabilit accesso servizio4/2/11 bitC-WT-BassoImage: 25CO_Disabilit AccessoDisabilit accesso servizio4/3/11 bitC-WT-BassoImage: 26CO_Disabilit AccessoDisabilit accesso servizio4/3/11 bitC-WT-BassoImage: 27CO_Disabilit AccessoDisabilit accesso sistereza4/5/11 bitC-WT-BassoImage: 28CO_Disabilit AccessoDisabilit accesso assisterza4/6/11 bitC-WT-BassoImage: 29CO_Disabilit AccessoDisabilit accesso assisterza4/6/11 bitC-WT-BassoImage: 29CO_Disabilit AccessoDisabilit accesso assisterza	□2,18	CO_ora	Ora		0/0/2	3 Byte	С	-	W	Т	U		Basso
Image: 20CO_ConfermaServerConferma del server2/0/14 ByteC-WTUBassoImage: 21CO_IDimpiantoNumero impianto0/0/34 ByteC-WT-BassoImage: 22CO_DatiAccessoDati di accesso3/1/110 BC-WTUBassoImage: 23CO_DisabilitAccessoDati di accesso ospite4/1/11 bitC-WT-BassoImage: 24CO_DisabilitAccessoDisabilita accesso servizio4/2/11 bitC-WT-BassoImage: 24CO_DisabilitAccessoDisabilita accesso servizio4/2/11 bitC-WT-BassoImage: 24CO_DisabilitAccessoDisabilita accesso installatore4/1/11 bitC-WT-BassoImage: 24CO_DisabilitAccessoDisabilita accesso assistenza4/5/11 bitC-WT-BassoImage: 24CO_DisabilitAccessoDisabilita accesso assistenza4/6/11 bitC-WT-BassoImage: 24CO_DisabilitAccessoDisabilita accesso assistenza4/6/11 bitC-WT-BassoImage: 24CO_DisabilitAccessoDisabilita accesso assistenza4/6/11 bitC-WT-BassoImage: 24CO_DisabilitAccessoDisab	□2 19	CO_data	Data		0/0/1	3 Byte	С	-	W	Т	U		Basso
III 21CO_IDimpiantoNumero impianto0/0/34 ByteC-WT-BassoIII 22CO_DatiAccessoDati di accesso3/1/110 BC-WTUBassoIII 23CO_DisabilitAAccessoTipo1Disabilita accesso ospite4/1/11 bitC-WT-BassoIII 24CO_DisabilitAAccessoTipo3Disabilita accesso servizio4/2/11 bitC-WT-BassoIII 25CO_DisabilitAAccessoTipo4Disab. accesso manutenzione4/3/11 bitC-WT-BassoIII 26CO_DisabilitAAccessoTipo4Disab. accesso installatore4/1/11 bitC-WT-BassoIII 27CO_DisabilitAAccessoTipo5Disabilita accesso assistenza4/5/11 bitC-WT-BassoIII 28CO_DisabilitAAccessoTipo6Disabilita accesso assistenza4/6/11 bitC-WT-BassoIII 29CO_DisabilitAAccessoTipo7Disab. accesso anninistratore4/7/11 bitC-WT-BassoIII 30CO_Led1LED 1 OnIbitC-WT-BassoIII 31CO_Led2LED 2 On7/5/11 bitC-WT-BassoIII 32CO_Led3LED 2 lampeggio veloce7/5/11 bitC-W </td <td>□‡]20</td> <td>CO_ConfermaServer</td> <td>Conferma del server</td> <td></td> <td>2/0/1</td> <td>4 Byte</td> <td>С</td> <td>-</td> <td>W</td> <td>Т</td> <td>U</td> <td></td> <td>Basso</td>	□ ‡]20	CO_ConfermaServer	Conferma del server		2/0/1	4 Byte	С	-	W	Т	U		Basso
III 22CO_DatiAccessoDati di accesso3/1/110 BC-WTUBassoIII 23CO_DisabilitAaccessoTipo1Disabilita accesso ospite4/1/11 bitC-WT-BassoIII 24CO_DisabilitAaccessoTipo2Disabilita accesso servizio4/2/11 bitC-WT-BassoIII 25CO_DisabilitAaccessoTipo3Disab. accesso manutenzione4/3/11 bitC-WT-BassoIII 26CO_DisabilitAaccessoTipo4Disab. accesso installatore4/5/11 bitC-WT-BassoIII 27CO_DisabilitAaccessoTipo5Disabilita accesso iscurezza4/5/11 bitC-WT-BassoIII 28CO_DisabilitAaccessoTipo5Disabilita accesso assistenza4/6/11 bitC-WT-BassoIII 29CO_DisabilitAaccessoTipo7Disab. accesso assistenza4/6/11 bitC-WT-BassoIII 30CO_Led1LED 1 On1 bitC-WT-BassoIII 31CO_LampeggioLed2LED 2 On7/5/11 bitC-WT-BassoIII 32CO_Led3LED 2 lampeggio veloce7/5/11 bitC-WT-BassoIII 32CO_Led3LED 3 lampeggio veloce7/5/11 bitC- <t< td=""><td>21</td><td>CO_IDimpianto</td><td>Numero impianto</td><td></td><td>0/0/3</td><td>4 Byte</td><td>С</td><td>-</td><td>W</td><td>Т</td><td>-</td><td></td><td>Basso</td></t<>	21	CO_IDimpianto	Numero impianto		0/0/3	4 Byte	С	-	W	Т	-		Basso
III 23CO_DisabilitAccessoTipo1DisabilitA accesso ospite4/1/11 bitC-WT-BassoIII 24CO_DisabilitA accessoTipo2DisabilitA accesso servizio4/2/11 bitC-WT-BassoIII 25CO_DisabilitA accessoTipo3Disab. accesso manutenzione4/3/11 bitC-WT-BassoIII 26CO_DisabilitA accessoTipo4Disab. accesso installatore4/4/11 bitC-WT-BassoIII 27CO_DisabilitA accessoTipo5DisabilitA accesso sicurezza4/5/11 bitC-WT-BassoIII 28CO_DisabilitA accessoTipo6DisabilitA accesso assistenza4/6/11 bitC-WT-BassoIII 29CO_DisabilitA accessoTipo7Disab. accesso assistenza4/6/11 bitC-WT-BassoIII 29CO_Led1LED 1 On1 bitC-WT-BassoIII 31CO_Led2LED 2 On7/5/11 bitC-WT-BassoIII 33CO_Led3LED 3 On8/4/11 bitC-WT-BassoIII 34CO_LumpegioLed3LED 3 lampegio veloce7/5/11 bitC-WT-BassoIII 34CO_LampegioLed3LED 3 lampegio veloce7/5/11 bitC-W <td>22</td> <td>CO_DatiAccesso</td> <td>Dati di accesso</td> <td></td> <td>3/1/1</td> <td>10 B</td> <td>С</td> <td>-</td> <td>W</td> <td>Т</td> <td>U</td> <td></td> <td>Basso</td>	22	CO_DatiAccesso	Dati di accesso		3/1/1	10 B	С	-	W	Т	U		Basso
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III 25CO_DisabilitAccessoTipo3Disab. accesso manutenzione4/3/11 bitC-WT-BassoIII 26CO_DisabilitAccessoTipo4Disab. accesso installatore4/4/11 bitC-WT-BassoIII 27CO_DisabilitAccessoTipo5Disabilita accesso sicurezza4/5/11 bitC-WT-BassoIII 28CO_DisabilitAccessoTipo5Disabilita accesso assistenza4/5/11 bitC-WT-BassoIII 29CO_DisabilitAccessoTipo7Disab. accesso amministratore4/7/11 bitC-WT-BassoIII 30CO_Led1LED 1 On1 bitC-WT-BassoIII 31CO_Led2LED 2 On7/5/11 bitC-WT-BassoIII 33CO_Led3LED 2 lampeggio veloce7/5/11 bitC-WT-BassoIII 34CO_Led3LED 3 lampeggio veloce7/5/11 bitC-WT-BassoIII 34CO_Led3LED 3 lampeggio veloce7/5/11 bitC-WT-BassoIII 35CO_LampeggioLed3LED 3 lampeggio veloce7/5/11 bitC-WT-BassoIII 35CO_suonoSuono singolo1 bitC-WT-BassoIII 36 <td< td=""><td>⊒‡24</td><td>CO_DisabilitaAccessoTipo2</td><td>Disabilita accesso servizio</td><td></td><td>4/2/1</td><td>1 bit</td><td>С</td><td>-</td><td>W</td><td>Т</td><td>-</td><td></td><td>Basso</td></td<>	⊒‡24	CO_DisabilitaAccessoTipo2	Disabilita accesso servizio		4/2/1	1 bit	С	-	W	Т	-		Basso
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III 27CO_DisabilitAccessoTipo5Disabilita accesso sicurezza4/5/11 bitC-WT-BassoIII 28CO_DisabilitAccessoTipo6Disabilita accesso assistenza4/6/11 bitC-WT-BassoIII 29CO_DisabilitAccessoTipo7Disab. accesso amministratore4/7/11 bitC-WT-BassoIII 30CO_Led1LED 10n1 bitC-WT-BassoIII 31CO_LampeggioLed1LED 20n7/5/11 bitC-WT-BassoIII 32CO_Led2LED 20n7/5/11 bitC-WT-BassoIII 34CO_Led3LED 2 lampeggio veloce7/5/11 bitC-WT-BassoIII 34CO_Led3LED 3 lampeggio veloce7/5/11 bitC-WT-BassoIII 34CO_Led3LED 3 lampeggio veloce7/5/11 bitC-WT-BassoIII 34CO_Led3LED 3 lampeggio veloce7/5/11 bitC-WT-BassoIII 35CO_LampeggioLed3LED 3 lampeggio veloce7/5/11 bitC-WT-BassoIII 35CO_LampeggioLed3LED 3 lampeggio veloce7/5/11 bitC-WT-BassoIII 36CO_SuonoSuo	□\$\$26	CO_DisabilitaAccessoTipo4	Disab. accesso installatore		4/4/1	1 bit	С	-	W	Т	-		Basso
Image: 28CO_DisabilitAccessoTipoDisabilita accesso assistenza4/6/11 bitC-WT-BassoImage: 29CO_DisabilitAccessoTipoDisab. accesso amministratore4/7/11 bitC-WT-BassoImage: 29CO_Led1LED 1 On1 bitC-WT-BassoImage: 31CO_Led1LED 1 lampeggioveloce7/5/11 bitC-WT-BassoImage: 32CO_Led2LED 2 lampeggioveloce7/5/11 bitC-WT-BassoImage: 33CO_Led3LED 2 lampeggioveloce7/5/11 bitC-WT-BassoImage: 34CO_Led3LED 3 On8/4/11 bitC-WT-BassoImage: 34CO_Led3LED 3 lampeggioveloce7/5/11 bitC-WT-BassoImage: 35CO_LampeggioLed3LED 3 lampeggioveloce7/5/11 bitC-WT-BassoImage: 34CO_Suono Suono singolo1 bitC-WT-BassoImage: 37CO_SuonoRipetutoSuono ripetuto1 bitC-WT-BassoImage: 33CO_ResetReset alarme1 bitC-WT-BassoImage: 34CO_Led3LED 3 lampeggioveloce7/5/11 bitC <td>□22/27</td> <td>CO_DisabilitaAccessoTipo5</td> <td>Disabilita accesso sicurezza</td> <td></td> <td>4/5/1</td> <td>1 bit</td> <td>С</td> <td>-</td> <td>W</td> <td>Т</td> <td>-</td> <td></td> <td>Basso</td>	□22/27	CO_DisabilitaAccessoTipo5	Disabilita accesso sicurezza		4/5/1	1 bit	С	-	W	Т	-		Basso
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IIII 30CO_Led1LED 1 On1 bitC-WT-BassoIII 31CO_LampeggioLed1LED 1 lampeggio veloce7/5/11 bitC-WT-BassoIII 32CO_Led2LED 2 On7/4/11 bitC-WT-BassoIII 33CO_LampeggioLed2LED 2 lampeggio veloce7/5/11 bitC-WT-BassoIII 33CO_LampeggioLed2LED 2 lampeggio veloce7/5/11 bitC-WT-BassoIII 34CO_LampeggioLed3LED 3 On8/4/11 bitC-WT-BassoIII 35CO_LampeggioLed3LED 3 lampeggio veloce7/5/11 bitC-WT-BassoIII 35CO_suonoSuono singolo1 bitC-WT-BassoIII 37CO_suonoRipetutoSuono ripetuto1 bitC-WT-BassoIII 38CO_ResetReset alarme1 bitC-WT-Basso	1 2	CO_DisabilitaAccessoTipo7	Disab. accesso amministratore		4/7/1	1 bit	С	-	W	Т	-		Basso
Impage CO_LampeggioLed1 LED 1 lampeggio veloce 7/5/1 1 bit C - W T - Basso Impage CO_Led2 LED 2 On 7/4/1 1 bit C - W T - Basso Impage CO_Led2 LED 2 lampeggio veloce 7/5/1 1 bit C - W T - Basso Impage CO_Led3 LED 3 On 8/4/1 1 bit C - W T - Basso Impage CO_LampeggioLed3 LED 3 lampeggio veloce 7/5/1 1 bit C - W T - Basso Impage CO_LampeggioLed3 LED 3 lampeggio veloce 7/5/1 1 bit C - W T - Basso Impage CO_suono Suono singolo 1 bit C - W T - Basso Impage Co_suono Ripetuto 1 bit C - W T - Basso Impage Co_suonoRipetuto Suono singolo 1 bit	⊒‡]30	CO_Led1	LED 1 On			1 bit	С	-	W	Т	-		Basso
Image: 32 CO_Led2 LED 2 On 7/4/1 1 bit C - W T - Basso Image: 33 CO_LampeggioLed2 LED 2 lampeggio veloce 7/5/1 1 bit C - W T - Basso Image: 34 CO_Led3 LED 3 On 8/4/1 1 bit C - W T - Basso Image: 34 CO_Led3 LED 3 lampeggio veloce 7/5/1 1 bit C - W T - Basso Image: 35 CO_LampeggioLed3 LED 3 lampeggio veloce 7/5/1 1 bit C - W T - Basso Image: 36 CO_suono Suono singolo 1 bit C - W T - Basso Image: 37 CO_SuonoRipetuto Suono ripetuto 1 bit C - W T - Basso Image: 38 CO_SuonoRipetuto Suono ripetuto 1 bit C - W T - Basso	□ぱ31	CO_LampeggioLed1	LED 1 lampeggio veloce		7/5/1	1 bit	С	-	W	Т	-		Basso
Image: 33 CO_LampeggioLed2 LED 2 lampeggio veloce 7/5/1 1 bit C - W T - Basso Image: 34 CO_Led3 LED 3 On 8/4/1 1 bit C - W T - Basso Image: 35 CO_LampeggioLed3 LED 3 lampeggio veloce 7/5/1 1 bit C - W T - Basso Image: 36 CO_suono Suono singolo 1 bit C - W T - Basso Image: 37 CO_SuonoRipetuto 1 bit C - W T - Basso Image: 38 CO_SuonoRipetuto 1 bit C - W T - Basso Image: 38 CO_SuonoRipetuto 1 bit C - W T - Basso Image: 38 CO_SuonoRipetuto 1 bit C - W T - Basso Image: 38 CO_SuonoRipetuto 1 bit C - W T - Basso	⊒‡]32	CO_Led2	LED 2 On		7/4/1	1 bit	С	-	W	Т	-		Basso
1334 CO_Led3 LED 3 On 8/4/1 1 bit C - W T - Basso 1335 CO_LampeggioLed3 LED 3 lampeggio veloce 7/5/1 1 bit C - W T - Basso 1336 CO_suono Suono singolo 1 bit C - W T - Basso 1337 CO_suonoRipetuto Suono ripetuto 1 bit C - W T - Basso 1338 CO_Reset Reset allarme 1 bit C - W T - Basso	⊒‡]33	CO_LampeggioLed2	LED 2 lampeggio veloce		7/5/1	1 bit	С	-	W	Т	-		Basso
값35 CO_LampeggioLed3 LED 3 lampeggio veloce 7/5/1 1 bit C - W T - Basso 값36 CO_suono Suono singolo 1 bit C - W T - Basso 값37 CO_suonoRipetuto Suono ripetuto 1 bit C - W T - Basso 값38 CO_Reset Reset allarme 1 bit C - W T - Basso		CO_Led3	LED 3 On		8/4/1	1 bit	С	-	W	Т	-		Basso
대책36 CO_suono Suono singolo 1 bit C - W T - Basso 대책37 CO_SuonoRipetuto Suono ripetuto 1 bit C - W T - Basso 대책38 CO_Reset Reset allarme 1 bit C - W T - Basso	⊒‡]35	CO_LampeggioLed3	LED 3 lampeggio veloce		7/5/1	1 bit	С	-	W	Т	-		Basso
값37 CO_SuonoRipetuto Suono ripetuto 1 bit C - W T - Basso 	□\$\$36	CO_suono	Suono singolo			1 bit	С	-	W	т	-		Basso
교경38 CO_Reset Reset allarme 1 bit C - W T - Basso	I 37	CO_SuonoRipetuto	Suono ripetuto			1 bit	С	-	W	Т	-		Basso
	⊒‡]38	CO_Reset	Reset allarme			1 bit	С	-	W	Т	-		Basso

These objects exist only once.

□ ‡ 41	Uscita 1	Accensione/spegnimento		1 bit	С	-	W	-	-	Basso
⊒‡ 46	Uscita 1	Stato		1 bit	С	R	-	Т	-	Basso
⊒‡ 50	Uscita 2	Luce scala		1 bit	С	-	W	-	-	Basso
⊒⊒[51	Uscita 2	Blocco		1 bit	С	-	W	-	-	Basso
⊒⊒[54	Uscita 2	Stato		1 bit	С	R	-	Т	-	Basso
⊒⊒,57	Ingresso 1	Commutatore	8/4/1	1 bit	С	R	-	Т	-	Basso
⊒‡[62	Ingresso 2	Commutatore	7/4/1	1 bit	С	R	-	Т	-	Basso
□₽467	Funzione centralizzata	Accensione/spegnimento		1 bit	С	-	W	-	-	Basso

Output communication objects (example: Output A - Switch, Output B - Staircase)

-	1									
I	L4 57	Ingresso 1	Reset del contatore	1 bit	С	-	W	-	U	Basso
	⊒‡(60	Ingresso 1	Contatore	1 Byte	С	R	-	Т	-	Basso
	⊒‡(62	Ingresso 2	Regolazione on/off	1 bit	С	R	-	Т	-	Basso
	⊒‡(63	Ingresso 2	Regolazione dimmer	4 bit	С	R	-	Т	-	Basso
	⊒⊒(45	Ingresso 2	Stato	1 bit	С	-	W	Т	U	Basso

Input communication objects (example: Input A - 8-bit value counter, Input B - single key dimming)



Communication objects

Channel communication objects (if a channel is inactive, no communication objects are present)

No	FTS name	TS name Eulertion Description Eulertion details				F	lag	1		
NO.	LIShame	Function	Description		length	С	R	W	Т	U
0	Transito	Transito	reader + pocket	a byte with the access card data is sent with each pass of a valid card: this object must be associated with a dedicated group for each device in each room to enable Well-Contact Suite to compile the list of accesses	4 byte	x	x		x	
1	Transit&Purse	Transit + electronic purse	reader + pocket	a byte with the access card data (including monetary software data) with each pass of a valid card	8 byte	X	x		x	
2	CO_accessType1	Access Guest Access	reader + pocket	this bit is set to 1 when a valid card with a Guest (room customer) profile is recognised	1 bit	x	x		x	
3	CO_accessType2	Access Service Staff	reader + pocket	this bit is set to 1 when a valid card with a Service (cleaning staff) profile is recognised	1 bit	х	х		x	
4	CO_accessType3	Access Maintenance	reader + pocket	this bit is set to 1 when a valid card with a Mainte- nance (facility maintenance staff) profile is recognised	1 bit	х	х		x	
5	CO_accessType4	Access Installer	reader + pocket	this bit is set to 1 when a valid card with an Installer (system installer) profile is recognised	1 bit	X	x		x	
6	CO_accessType5	Access Security Staff	reader + pocket	this bit is set to 1 when a valid card with a Security (facility security staff) profile is recognised	1 bit	х	х		x	
7	CO_accessType6	Access Assistance	reader + pocket	this bit is set to 1 when a valid card with a Assis- tance (facility assistance staff) profile is recognised	1 bit	х	x		x	
8	CO_accessType7	Access Administration	reader + pocket	this bit is set to 1 when a valid card with the Admin- istration (facility director) profile is recognised	1 bit	X	x		x	
9	CO_Scen Control	Scene control	reader + pocket	(if the "Scene number for access XY" parameters are activated for the various Guest, Service profiles, etc. and a scene number to be activated is associated for the desired profiles) if access with a valid card with a profile enabled for activation of a scene 164, when the card is passed the value of the associated scene in the parameters to that profile will be sent	1 byte	x	x		x	
10	CO_Energy	Energy	pocket	on recognising a valid card this object commands the room's ENERGY FM relay	1 bit	х	х		x	
11	CO_Light	Light	pocket	on recognising a valid card this object commands the room's GENERAL LIGHT relay	1 bit	x	х		x	
12	CO_validAccess	Valid access	reader	on recognising a valid card, this object goes to 1 to activate the electrical lock relay (step relay that can be automatically deactivated by this reader object af- ter a time that can be set in the reader's parameters)	1 bit	x	x		x	
13	CO_courtesyLight	Courtesy Light	reader	on recognising a valid card, this object goes to 1 to activate the electrical lock relay (step relay that can be automatically deactivated by this reader object af- ter a time that can be set in the reader's parameters)	1 bit	x	×		x	
14	CO_alarm1	Alarm 1	reader + pocket	alarm objects inside the device (after a power failure the internal clock must be resynchronised)	1 bit	X		X	X	
15	CO_alarm2	Alarm 2	reader + pocket	alarm objects inside the device ("device fault" alarm, e.g. after a CRC-ERROR)	1 bit	Х		х	х	
16	CO_alarm3	Alarm 3	reader + pocket	alarm objects inside the device (full list of 250 transits without transit overwriting activated)	1 bit	х		x	x	
17	CO_clock	Clock	reader + pocket	object needed by Well-Contact Suite to synchronise the system devices	8 bytes	Х		X	x	Х
18	CO_time	Time	reader + pocket	object needed by Well-Contact Suite to synchronise the system devices	3 byte	Х		х	х	X
19	CO_date	Date	reader + pocket	object needed by Well-Contact Suite to synchronise the system devices	3 byte	Х		Х	Х	Х
20	CO_serverConfirm	Server Confirm	reader + pocket	object needed by Well-Contact Suite to make the device wait for an Acknowledge response from the reception PC after receiving the sent access data	4 byte	х		x	х	X
21	CO_plantID	Plant number	reader + pocket	object dedicated to system divertification with Well-Contact Suite software	4 byte	Х		Х	х	

Continues

C = Communication; R = Read; W = Write; T = Transmission; U = Enable update



Communication objects

No.	ETS name	Function	Description	Function details	length		F	lag	1	
22	CO accessData	Access data	reader +	object dedicated to system divertification with	10 byte	C X	R	W X	T X	U X
23	CO_disableAc-	Disable Access Guest	pocket reader +	Well-Contact Suite software if this object is activated the device will deny access to the Cuppt agrid agrid	1 bit	X		X	X	
24	CO_disableAc-	Disable Access Service	reader +	if this object is activated the device will deny access to the Service card profile	1 bit	X		Х	X	
25	CO_disableAc- cessType3	Disable Access Maintenance	reader +	if this object is activated the device will deny access to the Service Engineer card profile		Х		Х	X	
26	CO_disableAc-	Disable Access Installer	reader +	if this object is activated the device will deny access to the Installer card profile		X		Х	Х	
27	CO_disableAc- cessType5	Disable Access Security Staff	reader +	if this object is activated the device will deny access to the Security card profile		Х		Х	Х	
28	CO_disableAc- cessType6	Disable Access Assistance	reader + pocket	if this object is activated the device will deny access to the Assistance card profile		Х		Х	Х	
29	CO_disableAc- cessType7	Disable Access Adminis- tration	reader + pocket	if this object is activated the device will deny access to the Administration card profile	1 bit	Х		Х	Х	
30	CO_led On1	LED 1 On	reader	LED 1 On (controls on/off of 2nd LED generally used for "do not disturb" or "room occupied")		x		х	x	
31	CO_ledBlink1	LED 1 fast blink	reader	LED 1 Fast blink	1 bit	X		Х	X	
32	CO_led On2	LED 2 On	reader	LED 2 On (controls on/off of 3rd LED generally used for "room service call")	1 bit	x		х	x	
33	CO_ledBlink2	LED 2 Fast blink	reader	LED 2 Fast blink	1 bit	Х		Х	X	
34	CO_led On3	LED 3 On	reader	LED 3 On (controls on/off of 4th LED generally used for "make up room")	1 bit	Х		Х	Х	
35	CO_ledBlink3	LED 3 Fast blink	reader	LED 3 Fast blink	1 bit	Х		Х	Х	
36	CO_sound	Sound 1	reader + pocket	single sound (sound can be associated with a 1-bit object on the bus)	1 bit	Х		Х	Х	
37	CO_repeatedSound	Repeated sound 1	reader + pocket	repeated sound (repeated sound can be associated with a 1-bit object on the bus and can be reset with 0 bit)	1 bit	x		х	x	
38	CO_Reset	Reset Alarm	reader + pocket	object used to reset the internal alarms (objects nos. 14,15,16)	1 bit	X	Х		X	
39	Not used	1		- -						
40	CO_CardInserted	Card Inserted	pocket	Simulates the insertion of a generic valid card (to simulate the presence of staff in the room from the supervision page)	1 bit	x		Х		x
41	Output 1	Switch on/off	reader + pocket	to switch On/Off relay output (if set as "Switch")	1 bit	X			Х	
42	Output 1	Staircase	reader + pocket	to set relay output to automatically deactivate after the time set in the device parameters (if set as "Stair Light")	1 bit	x		х		
43	Output 1	Block	reader + pocket	to block command of relay output via the bus (if set as "Switch" and the "Block" function is activated)	1 bit	x		Х		
44	Output 1	Forced	reader + pocket	to force the relay output via bus (if set as "Switch" and the "Forcing" function is activated)	2 bit	Х		Х		
45	Output 1	Scene	reader + pocket	to activate a scene on the relay output (if set as "Switch" and the Scene function is activated); it is also possible to save the scene if the corresponding function is activated in the bus parameters	1 byte	x		х		
46	Output 1	Status	reader + pocket	to determine the On/Off status of the relay output (if set as "Switch" or as "Staircase")	1 bit	x	х		x	
47	Output 1	Logic 1	reader + pocket	(if set as "Switch" and the "One-object/Two-objects logic" is activated): if a 1 bit is sent to this object the output will be activated when the "on/off" and op- tional "Logic-2" objects are also activated (depend- ing on the AND/OR conditions that are managed on these objects)	1 bit	x		х		
48	Output 1	Logic 2	reader + pocket	(if set as "Switch" and the "One-object/Two-objects logic" is activated): if a 1 bit is sent to this object the output will be activated when the "on/off" and "Logic-2" objects are also activated (depending on the AND/OR conditions that are managed on these objects)	1 bit	x		х		

Continues

 $\textbf{C} = \text{Communication}; \ \textbf{R} = \text{Read}; \ \textbf{W} = \text{Write}; \ \textbf{T} = \text{Transmission}; \ \textbf{U} = \text{Enable update}$



Communication objects

Continued								laq	1	
No.	ETS name	Function	Description	Function details	length	С	R	W	T	U
49	Output 2	Switch on/off	reader + pocket	to switch relay output On/Off (if set as "Switch")	1 bit	X			Х	
50	Output 2	Staircase	reader + pocket	to set the relay output to automatically deactivate after the time set in the device parameters (if set as "Staircase")	1 bit	x		x		
51	Output 2	Block	reader + pocket	to block command of relay output via the bus (if set as "Switch" and the "Block" function is activated)	1 bit	x		Х		
52	Output 2	Forced	reader + pocket	to force the relay output via bus (if set as "Switch" and the "Forcing" function is activated)	2 bit	X		Х		
45	Output 2	Scene	reader + pocket	to activate a scene on the relay output (if set as "Switch" and the "Scene" function is activated); it is also possible to save the scene if the corresponding function is activated in the bus parameters	1 byte	x		Х		
54	Output 2	Status	reader + pocket	to determine the On/Off status of the relay output (if set as "Switch" or as "Staircase")	1 bit	x	x		х	
55	Output 2	Logic 1	reader + pocket	to activate the Logic on the relay output (if set as "Switch" and the "One-object/Two-objects logic" function is activated)	1 bit	x		х		
48	Output 2	Logic 2	reader + pocket	to activate the Logic on the relay output (if set as "Switch" and the "Two-objects logic" function is activated)	1 bit	x		х		
57	Input 1	Switch	reader + pocket	if the device is set to "single inputs" - for On/Off command from a contact connected to the input (if set as "Switch", with "Switch rising/falling edge" or "Toggle rising/falling edge" or "Send Status" functions)	1 bit	×		×	Х	
57	Input 1	Send value	reader + pocket	if the device is set to "single inputs" - to send a numerical value 0-255 to the bus on activation of the input (if set as "Switch", with "Send Value" function "Number" type)	1 byte	х	x		Х	
57	Input 1	Send value	reader + pocket	if the device is set to "single inputs" - to send a nu- merical value 0-65535 to the bus on activation of the input (if set as "Switch", with "Send Value" function "Float" type)	2 byte	x	x		Х	
57	Input 1	Counter reset	reader + pocket	if the device is set to "single inputs" - to reset the value of the counter (if set as "Counter")	1 bit	x		х		Х
57	Input 1	Button	reader + pocket	if the device is set to "single inputs" - to send an ON or OFF for short and long activation of the input contact, depending on the possible selections in the parameters (if set as "Switch short/long" with "Switch" type)	1 bit	×	x		Х	
57	Input 1	Send value	reader + pocket	if the device is set to "single inputs" - to send two different 1-byte values for short and long activation of the input contact, depending on the possible selections in the parameters (if set as " Switch short/ long" with "Number" type)	1 byte	×	x		Х	
57	Input 1	Send value	reader + pocket	if the device is set to "single inputs" - to send two different 2-byte values for short and long activation of the input contact, depending on the possible selections in the parameters (if set as " Switch short/ long" with "Float" type)	2 byte	x	x		х	
57	Input 1	Dimming On/Off	reader + pocket	if the device is set to "single inputs" - to perform On/Off of a dimmable light (if set as "One button dimming")	1 bit	x	х		Х	
57	Input 1	Shutter	reader + pocket	if the device is set to "single inputs" - for operation of the shutter by long activation of the input (if set as "One-button shutter control"), it does not control the blinds	1 bit	x	x		Х	
57	Input 1/2	Dimming On/Off	reader + pocket	if the device is set to "grouped inputs" - to perform On/Off of a dimmable light by means of short activa- tion of one input or another (if set as "dimming")	1 bit	x	x		Х	
57	Input 1/2	Sun protection	reader + pocket	if the device is set to "grouped inputs" - for operation of the shutter by means of activation of one input or another (if set as "shutter control")	1 bit	x	x		Х	

 \boldsymbol{C} = Communication; \boldsymbol{R} = Read; \boldsymbol{W} = Write; \boldsymbol{T} = Transmission; \boldsymbol{U} = Enable update



Communication objects

No.	ETS name	Function	Description	Function details	length	C	F	lag W	1 T	U
58	Input 1	Counter Threshold	reader + pocket	if the device is set to "single inputs" - to activate the counter threshold (if set as "Counter" and the "Threshold" parameter is activated with a desired value)	1 byte	x	x		x	x
58	Input 1	Dimming	reader + pocket	if the device is set to "single inputs" - to dim a light (if set as "One button dimming")	4 bit	x	x		x	
58	Input 1	Shutter Stop	reader + pocket	if the device is set to "single inputs" - to stop the shutter (if set as "One button shutter") with short activation of the input	1 bit	x	x		x	
58	Input 1/2	Dimming	reader + pocket	if the device is set to "grouped inputs" - to dim a light by means of long activation of one input or another (if set as "dimming")	4 bit	x	х		x	
58	Input 1/2	Blinds On/Off	reader + pocket	if the device is set to "grouped inputs" - to rotate the blinds by activating one input or another (if set as "Sun protection")	1 bit	x	х		x	
59	Input 1	Scene	reader + pocket	if the device is set to "single inputs" - to send a scene call-up on activation of the input (if set as "Scene" with the desired numerical value): it is also possible to cause a long 2 sec. activation of the input to send a scene-save message to the bus if the parameter with "Save" function is enabled	1 byte	x	x		x	
59	Input 1	1-Bit Scene	reader + pocket	if the device is set to "single inputs" - to send a 1-bit scene call-up on activation of the input (if set as "1-bit" type scene): useful for old KNX devices that operate with 1-bit scenes	1 bit	x	x		x	
60	Input 1	Status	reader + pocket	if the device is set to "single inputs" - to determine the input status (if set as "Switch" with "Toggle rising/ falling edge" function)	1 bit	x		х	x	x
60	Input 1	Counter	reader + pocket	if the device is set to "single inputs" - 8-bit value of counter that increases with the input contact pulse count according to the count settings and the bus message send settings in the Parameters (if set as "Counter" with "8 bit" type)	1 byte	×	x		×	
60	Input 1	Counter	reader + pocket	if the device is set to "single inputs" - 16-bit value of counter that increases with the input contact pulse count according to the count settings and the bus message send settings in the Parameters (if set as "Counter" with "16 bit" type)	2 bytes	×	x		×	
60	Input 1	Counter	reader + pocket	if the device is set to "single inputs" - 32-bit value of counter that increases with the input contact pulse count according to the count settings and the bus message send settings in the Parameters (if set as "Counter" with "32 bit" type)	4 bytes	x	x		x	
60	Input 1	Status	reader + pocket	if the device is set to "single inputs" - to determine the input On/Off status (if set as "One button dim- ming")	1 bit	x		x	x	x
61	Input 1	Blocking object	reader + pocket	if the device is set to "single inputs" - to block send- ing of bus commands from the input regardless of the switching status of the connected contact, if the "Block" parameter is activated on the input	1 bit	x		x		x
61	Input 1/2	Blocking object	reader + pocket	if the device is set to "grouped inputs" - to block sending of bus commands from the input regardless of the switching status of the connected contact, if the "Block" parameter is activated on the input	1 bit	×		x		x
62	Input 2	Switch	reader + pocket	if the device is set to "single inputs" - for On/Off command from a contact connected to the input (if set as "Switch", with "Switch rising/falling edge" or "Toggle rising/falling edge" or "Send Status" functions)	1 bit	×		х	X	
62	Input 2	Send value	reader + pocket	if the device is set to "single inputs" - to send a numerical value 0-255 to the bus on activation of the input (if set as "Switch", with "Send Value" function of "Number" type)	1 byte	x	х		x	

Continues

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Communication objects

No.	ETS name	Function	Description	Function details	length		F	1		
			2 ccomption		gui	С	R	W	Т	U
62	Input 2	Send value	reader + pocket	if the device is set to "single inputs" - to send a nu- merical value 0-65535 to the bus on activation of the input (if set as "Switch", with "Send Value" function "Float" type)	2 byte	x	х		х	
62	Input 2	Counter reset	reader + pocket	if the device is set to "single inputs" - to reset the value of the counter (if set as "Counter")	1 bit	x		х		Х
62	Input 2	Button	reader + pocket	if the device is set to "single inputs" - to send an ON or OFF for short and long activation of the input contact, depending on the possible selections in the parameters (if set as "Switch short/long" press with "Switch" type)	1 bit	x	x		х	
62	Input 2	Send value	reader + pocket	if the device is set to "single inputs" - to send two different 1-byte values for short and long activation of the input contact, depending on the possible selections in the parameters (if set as "Switch short/ long" press with "Number" type)	1 byte	x	x		х	
62	Input 2	Send value	reader + pocket	if the device is set to "single inputs" - to send two different 2-byte values for short and long activation of the input contact, depending on the possible selections in the parameters (if set as "Switch short/ long" press with "Float" type)	2 byte	x	x		Х	
62	Input 2	Dimming On/Off	reader + pocket	if the device is set to "single inputs" - to perform On/Off of a dimmable light (if set as "One button dimming")	1 bit	х	х		Х	
62	Input 2	Shutter	reader + pocket	if the device is set to "single inputs" - for operation of the shutter by long activation of the input (if set as "One-button shutter"), it does not control the blinds	1 bit	x	x		х	
63	Input 2	Counter Threshold	reader + pocket	if the device is set to "single inputs" - to activate the counter threshold (if set as "Counter" and the "Threshold" parameter is activated with a desired value)	1 byte	x	x		х	X
63	Input 2	Dimming	reader + pocket	if the device is set to "single inputs" - to dim a light (if set as "single key dimming")	4 bit	x	x		Х	
63	Input 2	Shutter Stop	reader + pocket	if the device is set to "single inputs" - to stop the shutter (if set as "1-button shutter control") with short activation of the input	1 bit	x	x		х	
64	Input 2	Scene	reader + pocket	if the device is set to "single inputs" - to send a scene call-up on activation of the input (if set as "Scene" with the desired numerical value): it is also possible a prolonged 2 sec. activation of the input sends a scene-save message to the bus, if the parameter with "Save" function is enabled	1 byte	x	x		x	
64	Input 2	1-Bit Scene	reader + pocket	to send a 1-bit scene call-up on activation of the input (if set as "1-bit type scene): useful for old KNX devices that operate with 1-bit scenes	1 bit	x	x		х	
65	Input 2	Counter	reader + pocket	if the device is set to "single inputs" - 8-bit value of counter that increases with the input contact pulse count according to the count settings and the bus message send settings in the Parameters (if set as "Counter" with "8 bit" type)	1 byte	x	x		х	
65	Input 2	Counter	reader + pocket	if the device is set to "single inputs" - 16-bit value of counter that increases with the input contact pulse count according to the count settings and the bus message send settings in the Parameters (if set as "Counter" with "16 bit" type)	2 byte	x	x		х	
65	Input 2	Counter	reader + pocket	if the device is set to "single inputs" - 32-bit value of counter that increases with the input contact pulse count according to the count settings and the bus message send settings in the Parameters (if set as "Counter" with "32 bit" type)	4 byte	x	x		х	

Continues

 \boldsymbol{C} = Communication; \boldsymbol{R} = Read; \boldsymbol{W} = Write; \boldsymbol{T} = Transmission; \boldsymbol{U} = Enable update

COMMUNICATION OBJECTS



Communication objects

Contin	ontinued											
No	FTS name	Function	Description	Function details			Flag 1					
110.	LIGHAM		Description		longui	С	R	W	Т	U		
65	Input 2	Status	reader + pocket	if the device is set to "single inputs" - to deter- mine the input On/Off status (if set as "single key dimming")	1 bit	х		Х	×	x		
66	Input 2	Blocking object	reader + pocket	if the device is set to "single inputs" - to block sending of bus commands from the bus for the input regardless of the switching status of the connected contact, if the "Block" parameter is activated on the input	1 bit	х		Х		x		
67	Central Switch function	ON/OFF	reader + pocket	(for simultaneous control of two outputs, if the cor- responding parameters are activated on the device outputs)	1 bit	х		Х				

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ETS Reference parameters

Card data and software configuration

Card info

Distinguish diversify devices from different systems interfacing with monetary software.

ETS text	Available values [Default value]	Comment
Kov A Lloper [2 byte]	0-65535	
Key A Opper [2 byte]	[65535]	
Key A Mid [0 ley te]	0-65535	
Key A Mid [2 byte]	[65535]	
	0-65535	
Key A Lower [2 byte]	[65535]	
	0-65535	Deremeters on cord
Key A Upper [2 byte]	[65535]	cells for
	0-65535	MyFare protocol
Key A Mid [2 byte]	[65535]	(for monetary systems)
	0-65535	
Key A Lower [2 byte]	[65535]	
	0-65535	
CCP Upper [2 byte]	[65535]	
00001 [01.1.1	0-65535	
CCP Lower [2 byte]	[65535]	
	0 Disable	If enabled, a new parameter section
Advanced Menu	1 Enable	appears with various values to be set for in-
	[0]	software (as in notes below)

	Informazioni tessera	
Dati 1 · ID impianto e PWD di accesso		
Key A superiore [2 byte]	43690	1
Key A medio [2 byte]	43690	ł
Key A inferiore [2 byte]	43690	ł
Dati 2 · Borsellino elettronico		
Key A superiore [2 byte]	65535	1
Key A medio [2 byte]	65535	1
Key A inferiore [2 byte]	65535	1
Menù avanzato	Disabilita	
Card Info		



Communication objects

Advanced Menu

If the **"Advanced Menu"** parameter is enabled, an additional page for interfacing with monetary software is displayed.

ETS text	Available values [Default value]	Comment
Block Sizo	0-65535	
DIUCK SIZE	[16]	
Total Blook Numbers	0-65535	
TOTAL DIOCK INUTIDELS	[63]	
Rapa Address Rissly	0-65535	
Dase Audress Diock	[4]	
Plook ALIV1 addrosa	0-65535	
DIOCK AUX LAUGIESS	[5]	
Plook ALIX2 addroop	0-65535	
DIUCK AUAZ AUUIESS	[6]	
Block Keys	0-65535	
address + CCP	[7]	
Koy P. Upper [2 byte]	0-65535	
Key D Opper (2 byte)	[65535]	
Key D Mid [0 by te]	0-65535	
Key B Mid [2 byte]	[65535]	
	0-65535	
Key B Lower [2 byte]	[65535]	
0000 1 1000 00 10 10 10 10	0-65535	Deremeters on cord
CCP Opper [2 byte]	[65535]	cells for MyFare pro-
	0-65535	tocol (for monetary
CCP Lower [2 byte]	[65535]	systems)
Diagly Daga address	0-65535	
BIOCK Base address	[8]	
	0-65535	
BIOCK AUX Laddress	[9]	
	0-65535	
BIOCK AUX2 address	[10]	
Block Keys address	0-65535	
+ CCP	[11]	
	0-65535	
Key B Upper [2 byte]	[65535]	
Key D Mid [0 by te]	0-65535	
Key B Mid [2 byte]	[65535]	
	0-65535	
Key B Lower [2 byte]	[65535]	
	0-65535	
UCP Upper [2 byte]	[143]	
	0-65535	
CCP Lower [2 byte]	[30472]	

	Menù avanzato	
Blocco/Forzatura	16	
Numero blocchi totali	63	<u>.</u>
Dati 1 - ID impianto e PWD di accesso		
Indirizzo blocco Codici + CCP	4	<u>.</u>
Indirizzo blocco AUX2	5	÷
Indirizzo blocco Base	6	·
Dimensioni del blocco	7	<u>.</u>
Key B superiore [2 byte]	65535	÷
Key B medio [2 byte]	65535	÷
Key B inferiore [2 byte]	65535	· ·
CCP superiore [2 byte]	143	<u>.</u>
CCP inferiore [2 byte]	30472	<u>.</u>
Dati 2 - Borsellino elettronico		
Indirizzo blocco Codici + CCP	8	<u>·</u>
Indirizzo blocco AUX2	9	<u>.</u>
Indirizzo blocco Base	10	-
Dimensioni del blocco	11	÷
Key B superiore [2 byte]	65535	<u>.</u>
Key B medio [2 byte]	65535	÷
Key B inferiore [2 byte]	65535	-
CCP superiore [2 byte]	143	<u>·</u>
CCP inferiore [2 byte]	30472	÷

Advanced Menu



Communication objects

Device configuration - General characteristics Define the behaviour of the device.

ETS text	Available values [Default value]	Comment
Plant	02147483647	
	[0]	Parameter not used (for future
Room	0000000	
Departition of the	1255	Determines the number of rep-
Repetition of the Message	[1]	etitions of the "Confirm transit"
	[1]	Deader only determines the
	0.15 s	number of sec. of activity of
Duration lock	[0.4]	object 12 "Valid access" which if associated with a relay will activate the solenoid valve
Duration Courtesy	165535	Reader only - determines how many secs. after activation the object 13 of the device takes to
[S]	[20]	set to "0" (courtesy light turned off by the reader)
Duration	165535	Pocket only (the time after card
Energy [s]	[20]	object 10 to "0")
	165535	Pocket only (the time after card
Duration Light [s]	[20]	extraction that the pocket sets object 11 to "0")
Black List	No, Yes	If active, cards associated with
DIACK LIST	[0]	(reverse logic) by the reader
De el cet Liebt	No, Yes	Pocket only (turns card inser-
Pocket Light	[0]	tion guide light on)
Single Access	No, Yes	If enabled, the device makes no distinction regarding the type
	[0]	so there are no access type restrictions
Check date	No, Yes [1]	_
Check day	No, Yes	Leave on "Yes"
Check timeslot	No, Yes	-
Access cost	02147483647 [0]	For monetary software (if pres- ent)
	No, Yes	For future versions of WCS for storing accesses by the device
Overwrite transit	[0]	after reaching the limit of 250 with software temporarily dis- connected from the bus
Enable Card ID	No, Yes	- Parameter not used
Scene number	164, 255	
guest access	[255=inactive]	
Scene Number Service Staff	164, 25	-
Scene Number	164, 255	-
Scene Number	164, 255	-
Installer	[255=inactive]	To activate a scene on recogni-
Scene Number	164, 255	tion of a card of this type
Security Staff	[255=inactive]	
Scene Number	164, 255]
Assistance Staff	[255=inactive]]
Scene Number	164, 255]
Administration	[255=inactive]	

	Configurazione del dispositivo	
Impianto	0	•
Camera	0	<u>·</u>
Repetizione del messaggio	1	<u>·</u>
Durata serratura	1.0 s	•
Durata luce di cortesia [s]	30	<u>·</u>
Black List	No	•
Accesso unico	No	•
Controllo data	Si	•
Controllo giorno	Si	•
Controllo fasce orarie	Si	•
Costo dell'accesso	0	<u>·</u>
Sovrascrivi transito	No	•
Abilita Id tessera	No	•
Numero scenario accesso ospite	Disattivo	•
Numero scenario accesso servizio	Disattivo	•
Numero scenario accesso manutenzione	Disattivo	•
Numero scenario accesso installatore	Disattivo	•
Numero scenario accesso sicurezza	Disattivo	•
Numero scenario accesso assistenza	Disattivo	•
Numero scenario accesso amministratore	Disattivo	•

Device configuration



Communication objects

Inputs / Outputs

The following parameters are exclusive and for all channels.

General	settings	-	inputs	5

ETS text	Available values [Default value]	Comment	
Dohounoo timo	10120 ms	Sets the minimum input activa-	
Debourice time	[10]	tion time	
Time button long	1-30 sec.	Sets the input activation time	
[S]	[3]	tions (such as scene saving)	

Impostazioni generali		
Tempo antirimbalzo (ms)	10 ms	T
Tempo pressione lunga	3,0 s	•

General settings

Channels Configuration

Input/output configuration			
ETS text	Available values [Default value]	Comment	
Function channel 1/2	Not active	If you select "Grouped chan-	
	Single channels	nels" you can control the dim	
	Grouped channels	a double contact connected to	
	[0]	inputs 1/2 (e.g. 20062)	
Outputs 1/2	Not active	Switch:	
	Switch	On/off output;	
	Staircase:	Staircase:	
	[0]	monostable output	

	Configurazione Ingressi/Uscite		
	Ingressi		
	Funzione ingressi 1 e 2	Ingressi singoli	
	Uscite		
	Uscita 1	Commutatore	
	Uscita 2	Luce scala	
(Channel configuration (e.g. Output	A - Switch, Output B - Stairs)	

Commutatore uscita 1

Output: switch 1... 2

The following parameters are available for each channel and are identical for each of them. If a channel is configured as a switch, the following parameters are visible:

Switch parameters - control of outputs 1/2

ETS text	Available values [Default value]	Comment
	normally closed	
Туре	normally open	
	[0]	
On dolov	030000 s	On delay
On delay	[0]	in seconds
Off dolay	030000 s	Off delay in seconds
Oll delay	[0]	Oll delay III secolids
Control outitals	Not active	Central function
function	active	(to control outputs 1/2
TUTICIUT	[0]	simultaneously from the bus)
	Nothing	
Diool//Forced	Block	To block or force
DIUCK/FUICEU	Forced	an output from the bus
	[0]	
	Off	
State at the begin-	On	
ning of Block state	no change	II DIOCK ACTIVE
	[2]	
	Off	
State at the end of	On	If block optive
block state	no change	II DIOCK ACTIVE
	[2]	
	Off	
Behaviour	On	
at bus power up	no change	
	[2]	
	Off	
Behaviour at	On	
bus power down	no change	
	[2]	
	not active	-
Logic function A/D	with one object	Io enable logics on outputs
LOGIC IUNCTION AVB	with two objects	
	[0]	
Continues		

Tipo	Normalmente aperto
Ritardo attivazione [s] Ritardo disattivazione [s] Comando centralizzato	0 I I I I I I I I I I I I I I I I I I I
Blocco/Forzatura	Disattivo
Comportamento all'accensione del bus Comportamento allo spegnimento del bus Funzione logica 1	Nessuna modifica
Scenario uscita 1	Disativo 💌

Switch parameters

Continued	

ETS text	Available values [Default value]	Comment	
	OR		
Logic operation	AND	If logic function active	
	[0]		
Scene output 1/2	inactive	Scene activation.	
	active	If active, an additional page lis displayed	
	[0]	(see "Scene parameters")	

Note. Two-object switching (Logic 1 and Logic 2): a group is created for each "Logic X" object and a group for the "Output Command X" object. The And/ Or mode will be applied between the command group and the two logics (for example with And Logic, to activate the output, both Logic 1 and Logic 2 and the Output command must be at 1).



Communication objects

Output, scene channel

8 scene saving options are available for each output. Each record must be assigned to the value. It is therefore possible to save 8 different

Scene parameters: scene association with outputs 1/2

ETS text	Available values [Default value]	Comment
	blocked	
Scene saving enable	free	
-	[0]	
	Off	
Scene 1	On	
	[0]	
	Off	
Scene 2	On	
	[0]	
	Off	
Scene 3	On	
	[0]	
	Off	
Scene 4	On	
	[0]	
	Off	
Scene 5	On	
	[0]	
	Off	
Scene 6	On	
	[0]	
	Off	
Scene 7	On	
	[0]	
	Off	
Scene 8	On	
	[0]	

scenes to the device output. With **Scene saving enable** you can also set the status of the output for the desired scene with a message from the bus (scene learn).

	Scenario Canale 1
Abilita salvataggio scenario	Bloccato
Scenario 1	Off
Scenario 2	Off
Scenario 3	Off
Scenario 4	Off
Scenario 5	Off
Scenario 6	Off
Scenario 7	Off
Scenario 8	Off

Scene parameters



Communication objects

Output, time stair case

The following parameters are available for each channel and are identical for each of them. If a channel is configured as

Staircase parameters: monostable control of output 1/2

ETS text	Available values [Default value]	Comment	
Туре	normally closed normally open [0]	-	
Time staircase [s]	0 30000 [120]	Activated output duration	
Switch off warning	not active active [0]	To make the LED of a KNX push button blink when the relay is about to deactivate	
Warning duration [s]	0 30000	Duration of warning (if off warning enabled). After setting a "Warning duration" and a "Prewarning dura- tion", when the relay deac- tivates after the set "Time	
	[120]	staircase", it remains Off for a time equal to the "Warning duration" and then deacti- vates for a time equal to the "Prewarning duration"	
Prewarning dura-	0 65535	Duration of warning. Three times will be added (if off warning is active). After setting a "Warning duration" and a "Prewarning duration", when the relay deactivates after the set "Time staircase" it remains Off for a time equal to the "Warning duration" and then activates for a time equal to the "Prewarning duration"	
tion [s]	[120]		
Manual switch off	not active active [0]	If active, the relay can be deactivated before the stair- case time	
Central switch func- tion	not active active [0]	To control simultaneously the 2 outputs from the bus	
State at the begin- ning of Block state	Off On no change	If block active	

stair light, the following parameters are visible:

Luce	scale uscita 1
Тіро	Normalmente aperto
Tempo luce scale [s]	120
Avvertimento di spegnimento	Attivo
Durata allarme [s]	1
Durata preallarme [s]	10 *
Spegnimento manuale	Disattivo
Comando centralizzato	Disattivo
Stato all'inizio dello stato di blocco	Off
Stato alla fine dello stato di blocco	Off
Comportamento all'accensione del bus	Nessuna modifica
Comportamento allo spegnimento del bus	Nessuna modifica
OK	Annulla Predefinito Informazioni Guida

Staircase parameters

Continued

ETS text	Available values [Default value]	Comment
	Off	
Status at the end of	On	If block active
block state	no change	II DIOCK ACTIVE
	[2]	
	Off	
Behaviour at bus power up	On	
	no change	
	[2]	
	Off	
Behaviour at bus power down	On	
	no change	
	[2]]

Continues

Inputs (grouped inputs)

Dimming A/B

The following parameters are available for each channel and are identical for each of them.

Sun protection A/B

The following parameters are available for each channel and are identical for each of them.

Grouped parameters

ETS text	Available values [Default value]	Comment	
	Dimming		
Input 1/2	Sun proection		
	[1] inactive		
Dimmina	Brighter/Darker	Defines the activation func-	
	Darker/Brighter	tion of IN 1 and IN 2 for the	
	[0]	dimmer	
Clauttar	Down/Up	Defines the activation	
Shuller Eurotion A/P	Up/Down	function of inputs 1 and 2 for	
FUNCTION AVE	[0]	the shutter	
	0: Inactive	To inhibit the common of of	
Block	1: Active	ionute 1/2 from the bus	
	[0]		



Dimming parameters

	Ingressi 1/2	
Ingressi 1/2	Regolazione tapparelle	V
Tapparella Funzione A/B	Giù, Su	•
Blocco	Disattivo	•

"Shutter" control parameters



Communication objects

Inputs (single channels)

Switch

There are 7 options for each channel. Inactive, Switch, Scene, Counter, Switch short/long, One button Dimming, One button Shutter.

Switch parameters - to send commands and values	Switch parameters -	- to	send	commands	and	values
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ETS text	Available values [Default value]	Comment	
	Switch riging odgo	Rising edge = closure IN contact	
	Switch hang edge	Falling edge = opening IN contact	
	Toggle rising edge	If you set "Switch" , an ON or an OFF will be sent for the chosen edge but no signal will be sent for the subsequent change of edge of the input.	
Sub function	Switch falling edge	If you set "Toggle" , ON, OFF, ON, etc. will be sent	
	Toggle falling edge	the input, but it will also be necessary to link the input status object to the same group.	
	Status send	By setting "Status send" , you can choose whether to send an ON or an OFF	
	Send value	command for one edge or the other.	
	[3]	With "Send value" you choose which byte to send.	
Value falling/rising	Off		
edge	On [0]	If Switch falling/rising edge	
	Off	If "Status cond" act with	
Value falling edge	On	falling edge	
	[0]		
	Off	If "Status send" set with	
Value rising edge	On	rising edge	
	[0]		
	inactive	To activate cyclic repetition	
Send cyclic	active	-in the bus	
	[U]		
Cyclic send [s]	[1]	If cyclic sending active	
	Number	If set as "Switch" to send	
Value type	Float	value, choose whether to	
	[1]	float 0-65535	
	0255		
Number	[2]	IT number (Value)	
	0-65535		
FIUAT	[2000]	Float (Value)	
	inactive	If activated, an object	
Block	active	appears that blocks the	
	[0]	input if set to 1	

	Ingresso 1
Funzione	Commutatore
Sottofunzione	Commutazione su fronte di salita
Valore del fronte di salita	On 🗾
Blocco	Disattivo

Switch parameters, "Rising edge"

	Ingresso 2
Funzione	Commutatore
Sottofunzione	Invio stato
Valore del fronte di salita	0n 💌
Valore del fronte di discesa	Off
Blocco	Disattivo
Invio ciclico	Off 🔹

Switch parameters, "Status send"

	Ingresso 2
Funzione	Commutatore
Sottofunzione	Invio valore
Tipo valore	Numero
Valore	2
Blocco	Disattivo

Switch parameters, "Send value"



Communication objects

Inputs (scene)

Scene parameters

The selected scene can be activated and saved if required.

ETS text	Available values [Default value]	Comment
Scene	No save	
	save	
	1-Bit	
	[0]	
Scene Number	1-64	If the Scene is "No save" or "Save"
	[2]	
Scene Number	1-2	If the Scene is "1 Bit"
	[2]	
Block	inactive	If active an ETS object will be displayed, which if set to 1 blocks the scenes
	active	
	[2]	



"Scene" parameters

Inputs (counter)

Counter parameters

These allow a counter to be incremented by the input (it is reset on bus power down).

ETS text	Available values [Default value]	Comment
Counter Type	8 bit	
	16 bit]
	32 bit	
	[1]	
Threshold active	no	If active, it establishes
	yes	a maximum limit for the counter
	[0]	
Sending Difference	1-255	8 bit (this determines the frequen-
	[5]	cy in terms of number of pulses at which a message is to be sent over the bus)
Counter Limit	1-255	8 bit
	[50]	
Sending Difference	1-65535	16 bit (determines the frequency in terms of
	[100]	number of pulses at which a message is to be sent over the bus)
Counter Limit	0-65535	16 bit
	[200]	
Sending Difference	1-65535	32 bit (determines the frequency in terms of
	[250]	number of pulses at which a message is to be sent over the bus)
Counter Limit	0-65535	32 bit
	[500]	
Block	inactive	If active an ETS object will
	active	be displayed, which if set to 1 blocks the count
	[0]	



"Counter" parameters



FAQ

External readers (20457, 19457, 16457, 14457) and pocket readers (20453, 19453, 16453, 14453)

1. What do objects 14, 15 and 16 represent?

- *no.14 CO_alarm1*: the internal clock requires an update (e.g. after a power failure)
- *no.15 CO_alarm2* device fault (for example an internal CRC error)

This is a **serious error** that should never occur. If it does, reprogram the device using ETS (the problem may be due to a **device memory malfunction**).

 no.16 CO_alarm3 transit list is full: this is not in itself a device error condition but a possible system state. Activation of this object may occur if you choose to use the internal transit list in "Overwrite transit" = "No" mode and the PC has been disconnected from the reader for a long period.

As it is unable to communicate the transits to the Wellcontact Suite software, the device saves them in its internal memory. In the future data acquisition by Well-Contact Suite will be implemented.

2. What's the best solution for turning off the *Courtesy light* (controlled by a remote switch connected to the external reader) when the pocket reader disconnects power from the loads after removal of the card?

A group is used to do this. In particular, object "13 CO_ courtesyLight" of the external reader is very useful.

- a. Configure the *courtesy light* so that it is controlled by object "13 CO_courtesyLight" of external reader (this object will first go to "1" and then to "0" on recognition of a valid card, after a time interval that can be set in the reader's "Duration Courtesy light" parameter).
- **b.**Also configure the *courtesy light* in object *11 CO_light* of pocket reader.

Entrance:

- when the guest enters the room, the *courtesy light* comes on: object "CO_courtesyLight", value "On";
- when the card is inserted in the pocket, the "CO_light, value ON" message is sent (this message has no effect because the light is already on);
- when the timeout expires, the *courtesy light* is turned off by the "*CO_courtesyLight*" message, value "*Off*".

Exit:

• When the card is removed from the pocket, an "Off" message is sent to the *courtesy light*: object "CO_light", value "Off". The message is sent when the "Duration Light" timeout expires.

So if the courtesy light was turned on by the guest, it is now turned off.

3. Is it possible to enable the *Room energy* relay for just 30 seconds when the card is swiped over the external reader and then keep *Room energy* active when the card is inserted in the internal pocket?

Yes, this can be done by using a single relay associated with the *courtesy*

light object (together with this light's actuator, if present) and setting the reader parameter "*Duration Courtesy* = 30 sec.". At the same time you must associate the *Relay block* object that controls energy with the energy enable group of the internal pocket (object no. 10 of the pocket), defining in the relay parameters that the *Relay block* is enabled and that the status of the relay on activation of the block is "*On*" and on deactivation is "*Off*".

If after swiping the card over the reader, the card is inserted in the pocket, the relay is blocked in the "*On*" status and therefore ignores the "*Off*" message that arrives from the external reader after 30 seconds. When the card is removed from the pocket, the *Relay block* ("*Off*" parameter) is set to "0".

4. Is there an object that blocks the input/button (effectively disabling it so that it does not send messages)?

Yes, there is an object that blocks the input/button (effectively disabling it so that it does not send messages) that operates as follows:

- associate the "blocking object" of the desired input/button is a group;
- if an "On" message is sent to the group, the input is blocked;
- if an "Off" message is sent to the group, the input is enabled.

There is no object in the pocket reader that sends an "Off" message when the card is inserted (to enable the input/ button) and an "On" message when the card is removed (to block the input/button).

5. Is it possible to control the shutter by means of conventional buttons connected to the readers (external and/or pocket)?

This can be done by connecting a simple conventional button to the reader's input. However, this solution is fairly impractical because various types of button press are required to control the shutter:

- long press = movement (open/close);
- short press = stop;
- short press then long press = reverses direction movement.

If you still want to adopt this solution, you must set the reader's input as shown in the following figure.





FAQ

6. In the event of a power failure, how long will the external reader and the pocket reader keep the date and time in their memories?

Both devices keep the date and time for at least 2 days.

7. What is the readers' "server acknowledge" object used for?

Activation of this object is used for Well-Contact Suite software functions: it forces the reader to wait for a message from the software (sent automatically) acknowledging reception of a transit by the supervision PC before the transit is saved in the internal list. If it does not receive a reception confirmation message, it reattempts to send the transit to Well-contact Suite the number of times set in the device parameters.

A group must be created for each individual reader (e.g. with 10 rooms with pocket readers and one common access, 21 groups will be created). This will also enable WCS to save the transits of the various people on the various readers and the various presences with pocket reader card insertion/ removal times.

8. How many scenes can be saved on the device outputs?

On/Off states for 8 different scenes can be saved. In particular, if "Scene saving enable" is enabled, it will also be possible to save the status of the output of the desired scene from the 8 available by sending a message over the bus (Scene Learn).

9. Enabling an output using the Logic present in the parameters.

For example, a device output can be activated when one of its inputs is activated only if a valid card is inserted in the pocket. If for example you want to activate OUT-2 of the pocket to turn on heating when the card is inserted, but you also want the opening of a window contact (connected to IN-1) turns heating off until the window is closed, you have to activate the Logic Function on the output and link it with a (1 bit) object using the OUT-2 parameters of 20457 and also select AND Logic Operation. In detail:

create 1st group which enables output 2 when the card is inserted and activates the logic: activation of the output will be linked in a group to energy enabling by pocket 20453 (by means of object " $CO_Energy - Enable Energy$ ", with a link to the "Output 2 - on/off" object) and the logic on the output will be linked to the same group with the relevant "Output 2 - Logic 1" object .

Create the 2nd group to disable/enable output 2 when the window is opened/closed: this creates a second group with the inputs to which the window contact is connected and the object "Output 2 - on/off" will be associated; the contact will force the output 2 relay to On/Off; but now you have to link a logic to enable this only if the card is inserted in the pocket.

Let's look in detail at how to set the Logic parameters and create the 2 groups (using IN-1 and OUT-2 of a card reader 20457 to create the two groups):

inserting the card activates the output by setting its Logic to "1": from this point on the output will also be controlled by the window contact group; if the card is not inserted, the Logic remains at "0" so other groups such as the window contact group are unable to control switching.







10. Which external reader objects are used to control an electrical lock and a courtesy light when a valid card is swiped?

Objects 12 and 13 control both "On" and "Off" if associated with two step relays after a time that can be set in the corresponding reader parameters; therefore object 12 "CO_validAccess" controls an electric lock and 13 "CO_courtesyLight" controls a courtesy light. The device will set the two objects to "Off", deactivating the two relays, which as they are step relays can also be used in bistable mode in other groups.

11. Which vertical pocket objects are used to control enabling of the room *FM* and the *Comfort* status of the thermostat?

Objects nos. 10 and 11 control both "On" and "Off" if associated with two remote step relays that control respectively the FM and the Light; it is the device sets the two objects to "Off" causing the two relays deactivatation on removal of the card after a time that can be set in the parameters. There are also the 1-bit objects nos. 2, 3, 4, 5, 6, 7, 8 used for recognising a card with a given profile (guest, service, maintenance, etc.). So by associating in one group for example the guest card (object 2) with the CNF of the thermostat, if a guest card is recognised the thermostat goes to CNF and on removal of the card it returns to STBY, whereas if another type of card is inserted the thermostat will remain in STBY.

